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FEXL7386B_EVB_startguide-01

ML7386/ML7386B
LSI Evaluation Kit Start Guide

Please read at the beginning

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Introduction

Before using the product, please read this Start Guide.
Always ensure that the product is used correctly.
Keep the guide handy for future reference.
This guide describes package contents and connection with PC.
Documents listed below in addition to this document, please read together as necessary.

- ML7386/ML7386B Data sheet
- ML7386/ML7386B Design guide
- ML7386/ML7386B Application manual
- ML7386/ML7386B Characteristic data

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Notation

Classification	Notation	Description
● Numeric value	0x*nn*	Represents a hexadecimal number.
	0b*nnnn*	Represents a binary number.
● Address	0x*nnnn_nnnn*	Represents a hexadecimal number. (indicates 0xnnnnnnnn)
● Unit	word, W	1 word = 32 bits
	byte, B	1 byte = 8 bits
	Mega, M	10^6
	Kilo, K (uppercase)	2^{10}=1024
	Kilo, k (lowercase)	10^3=1000
	Milli, m	10^{-3}
	Micro, □	10^{-6}
	Nano, n	10^{-9}
	Second, s (lowercase)	Second
● Terminology	"H" level	Signal level on the high voltage side; indicates the voltage level of V_{IH} and V_{OH} as defined in electrical characteristics.
	"L" level	Signal level on the low voltage side; indicates the voltage level of V_{IL} and V_{OL} as defined in electrical characteristics.

● Register description

Read/write attribute: R indicates read-enabled; W indicates write-enabled.
MSB: Most significant bit in an 8-bit register (memory)
LSB: Least significant bit in an 8-bit register (memory)

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1. Handling Precautions of this product

• This product is evaluation kit. Available only for evaluation purposes.
• For the application software of this product, please use a PC which Japanese version Windows XP / Windows 7 is installed on.
• Distributing and copying of the software provided with this product are all expressly prohibited.
• For use illegal and remodeling of this product, we cannot take any responsibility.
•In the unlikely event that harmful radio interference is generated from this product, stop the output of the radio or change the frequency used immediately, please perform the treatment, such as for interference avoidance.

2. Setup Flow

STEP 1
Confirming the Package Contents
STEP 2
Setting up Serial Communication Software

STEP1 Confirming the Package Contents

The following items are included in the package. If something is missing or broken, please contact the supplier at which you purchase the product.

* Package Contents might be changed from following photos.

Please prepare regulated power supply, USB mini-B cable (straight), serial communication software (TeraTerm) yourself.

□ ML7386/ML7386B Evaluation Board

□ CD-ROM
(at the first purchase only)

STEP2 Setting up Serial Communication Software

* We recommend Tera Term (free software) as a serial communication software. Macro to be used in simple MAC, has been written in the macro language of an Tera Term.
  Before you start this operation, please download from the internet.

1. Please install Tera Term to your computer.
2. Please connect the evaluation board to the computer with USB mini-B cable(straight).
3. Please start Tera Term.

   Fig 1 will be displayed on the screen.

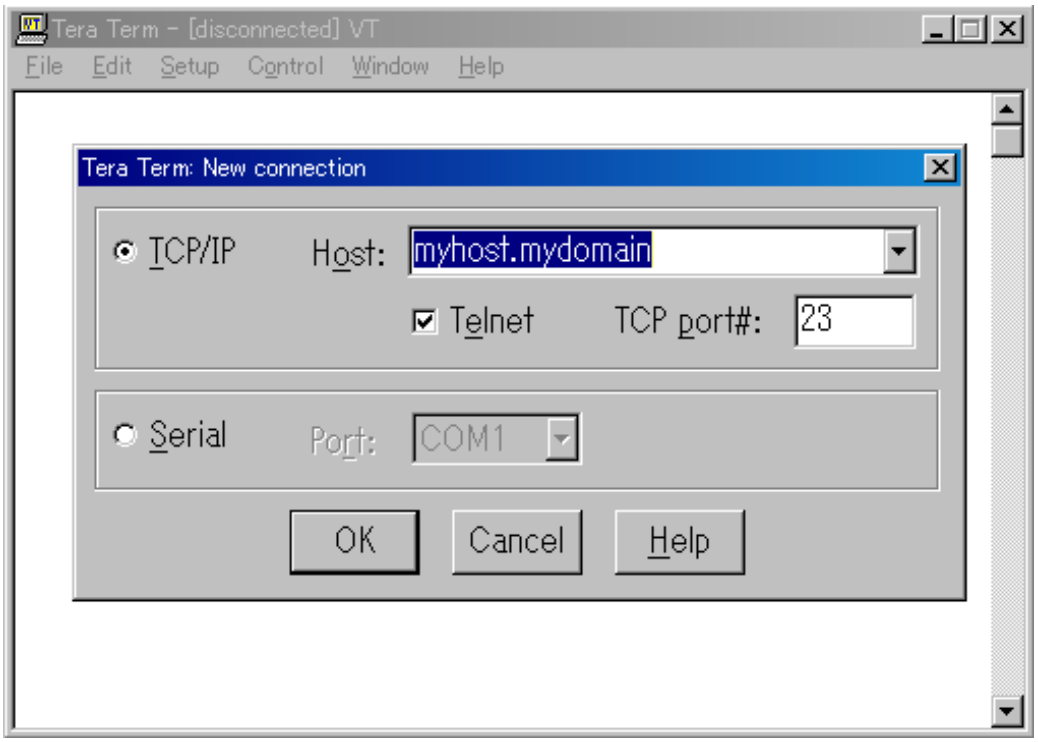

Fig1. Tera Term Startup Screen

4. Please click radio botton in front of “Serial”, then select COM Port to be used.

5. Please click "Serial port" in the "Setup",then change the setting as fig 2.
   Baud Rate: 38400
   Data: 8 bit
   Parity: none
   Stop: 1 bit
   Flow Control: hardware

6. Please click "Terminal…." in the "Setup",then change the setting as fig 2.
   In the New Line
   Receive : CR+LF
   Transmit: CR

   Local echo:checked

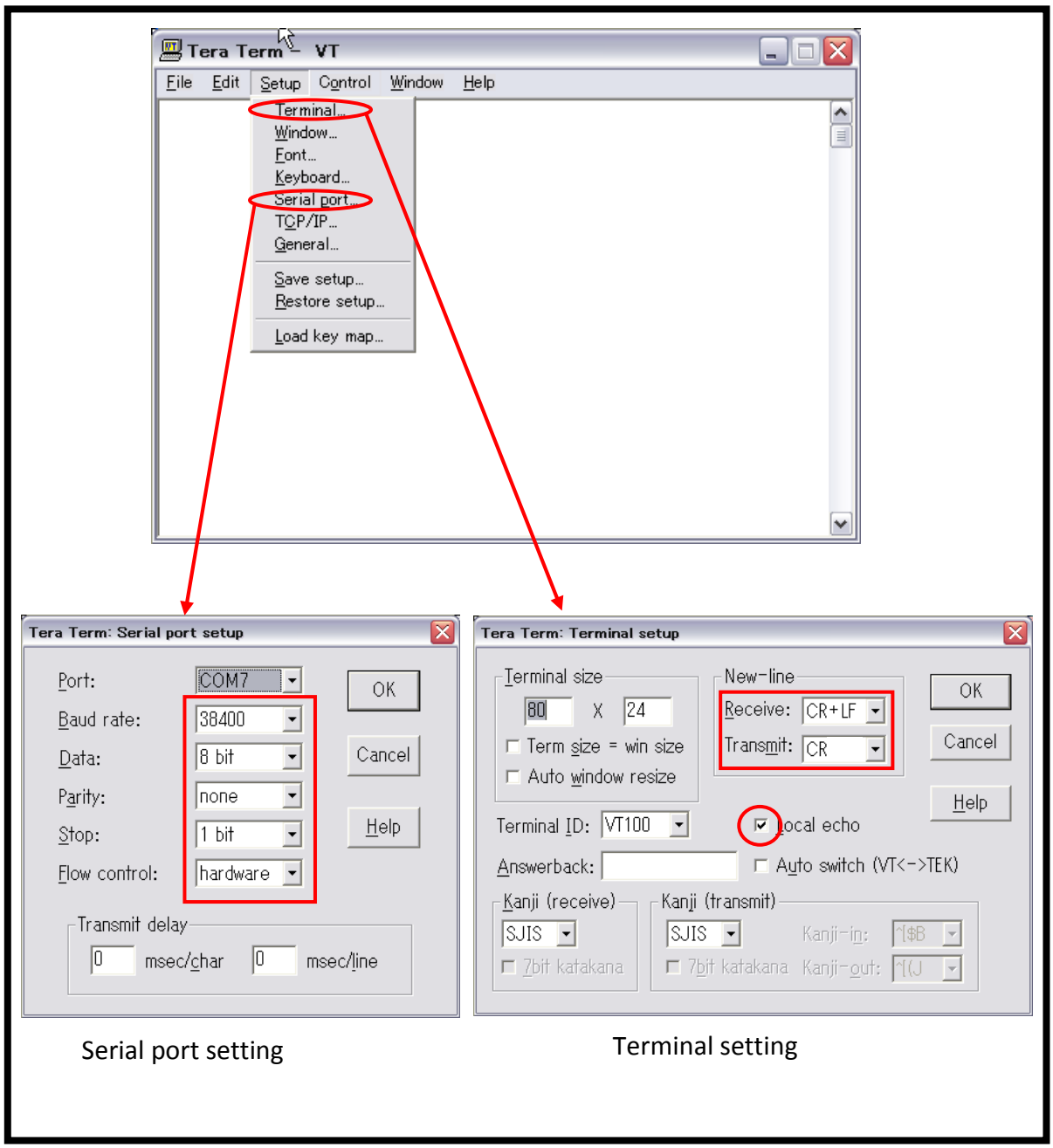

Fig2. Tera Term Communication setting

Please turn on the evaluation board.

7. Please type “RREG 6C” return. If “OK 88” is displayed,your setting is O.K.

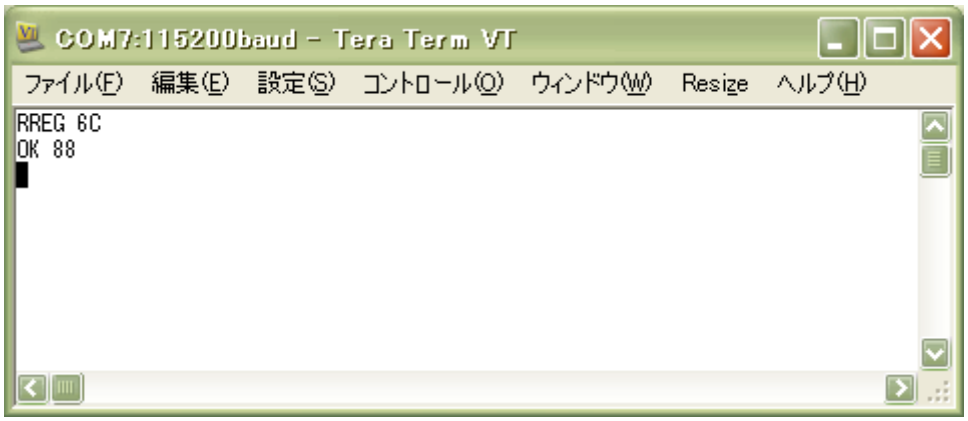

Fig3. Screen after typing “RREG 6C”return

Preparation of this product is complete.

After this setup, please make sure that they are working properly by carrying out a simple communication test.Please refer Simple MAC User’s Manual for the communication test.

Revision history

Document No.	Date	Page		Content
		Old	New	
FEXL7386 EVB_ startguide-01	2014.8.1	–	–	The first edition